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7590 01/20/2004		EXAMINER		
Neal L. Slifkin, Esq.			LUK, LAWRENCE W	
HARRIS BEAG	CH LLP			
The Granite Building			ART UNIT	PAPER NUMBER
130 East Main Street			2838	
Rochester, NY 14604-1687			DATE MAILED: 01/20/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Summary	09/833,884	SUZUKI ET AL.	SUZUKI ET AL.			
Office Action Summary	Examiner	Art Unit				
The MAN INC DATE of the	Lawrence W Luk	2838	LMW_			
The MAILING DATE of this communication a Period for Reply	ppears on the cover she	et with the correspondence a	ddress			
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by statu - Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b). Status	I. I.136(a). In no event, however, i eply within the statutory minimum d will apply and will expire SIX (6 tle, cause the application to beco	may a reply be timely filed n of thirty (30) days will be considered time 6) MONTHS from the mailing date of this o ome ABANDONED (35 U.S.C. § 133).	ely. communication.			
1) Responsive to communication(s) filed on 15	October 2003.					
2a) ☐ This action is FINAL . 2b) ☒ Thi	s action is non-final.					
Since this application is in condition for allow closed in accordance with the practice under			e merits is			
Disposition of Claims						
 4) Claim(s) 1,3,4,7-16,21-64 and 66-95 is/are p 4a) Of the above claim(s) is/are withdr 5) Claim(s) 86-92 and 95 is/are allowed. 6) Claim(s) 1,3,4,7,10,12,13,15-20,23-25,28,33 7) Claim(s) 11,14,21,22,26,27,29-32,34-40,42-6 8) Claim(s) are subject to restriction and 	awn from consideration .41,62,63 and 70-85 is. 61,64,66-69,93 and 94	n. /are rejected. is/are objected to.				
Application Papers	or election requiremen	ιι.				
9) The specification is objected to by the Examir	oor					
10) ☐ The drawing(s) filed on 12 April 2001 is/are:		objected to by the Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. §§ 119 and 120						
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document a. Copies of the certified copies of the priority documents. Copies of the certified copies of the priority documents. See the attached detailed Office action for a list application from the International Bure * See the attached detailed Office action for a list application is made of a claim for domest since a specific reference was included in the factorial anguage p. The translation of the foreign language p. Acknowledgment is made of a claim for domest reference was included in the first sentence of the company of the foreign language p.	nts have been received ints have been received fority documents have lau (PCT Rule 17.2(a)). It of the certified copies stic priority under 35 U. Its sentence of the specific priority under 35 U. Its sentence of the specific priority under 35 U.	d. d in Application No been received in this National s not received. S.C. § 119(e) (to a provisional ecification or in an Application has been received. S.C. §§ 120 and/or 121 since	al application) Data Sheet.			
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 	5) 🔲 Notic	view Summary (PTO-413) Paper No ce of Informal Patent Application (PTo r:				

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1, 3, 4, 7, 10, and 41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Toyosato (6,532,482) in view of Kerai et al. (6,531,845).

In re claims 1 and 41, Toyosato discloses a charger, which is either built into a personal computer or connected directly or indirectly thereto, whereby an internal power supply source of the PC is used as a power supply for the charger in a charging operation for the secondary cell, and wherein the charger having built into it a charging processing operation program required for charging of the secondary cell whereby a charging operation is performed by executing the charging processing operation program selected for the secondary cell to be charged with utilizing an electric power supplied from the internal power supply source of the PC (Fig. 1; col. 7, lines 5-49); a battery holding apparatus which holds at least a secondary cell (139, 140) to be charged and connected directly or indirectly to the charger (134) (Fig. 1); and a display means connected to the PC and displaying at least one information selected from a group consisting information related to a secondary battery to be charged, information related to conditions required for charging the secondary cell to be charged and information

related to past and current charging situation or results of the charging operation (Fig. 1; col. 7, lines 7-49); but fails to teach an input means connected to the PC and for inputting information at least about the respective secondary cell to be charged necessary to execute the charging processing operation program into a controller provided in the PC.

Kerai et al. teach an input means connected to the PC and for inputting information at least about the respective secondary cell to be charged necessary to execute the charging processing operation program into a controller provided in the PC.

It would have been obvious for a person with ordinary skill in the art at the time the invention was made to include an input means connected to the PC and for inputting information at least about the respective secondary cell to be charged necessary to execute the charging processing operation program into a controller provided in the PC in the invention of Toyosato for the purpose of increased efficiency in the process.

In re claim 3, Toyosato in view of Kerai et al. are applied supra, further Toyosato teaches the PC is selected from a group of a general-purpose PC including a desktop PC, a laptop PC, a mobile type PC, a dedicated game-us PC, and a TV PC with a bi-directional communication capability (col. 3, line 10 and col. 4, lines 25-35).

In re claim 4, Toyosato in view of Kerai et al. are applied supra, further Kerai et al. teaches the charger is either a charging processing operation

program required for a charging operation on a secondary cell or is an apparatus into which a charging processing operation program required for a charging operation to a secondary cell is built (col. 6, lines 45-65).

In re claim 7, Toyosato in view of Kerai et al. are applied supra, further Kerai et al. teaches the PC is provided with a driving controlling program for driving a charging controlling program installed in the charger (col. 6, lines 10-30).

In regard to claim 10, Toyosato in view of Kerai et al. are applied supra, further Toyosato shows an apparatus that forms the charger which is selected from a group consisting of an international PCI (PC interface) standard selecting from either one of a PCI board or PCI card each including said charging processing operation program therein, an IC chip mounted on an expansion board or the like, a CD-ROM, a floppy disk, an IC card each including said charging processing operation program therein and a PC hard disk (HD) onto which said charging processing operation program has been installed (refer to col.3, lines 52-53 and col.6, lines 11-23).

3. Claims 8, 9, 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Toyosato (6,532,482) in view of Kerai et al. (6,531,845) as applied to claims 1- above, and further in view of Matsuda (6,211,649).

In re claim 8, Toyosato in view of Kerai et al. are applied supra, but fail to teach the apparatus configured so that by operating a controlling-condition-

inputting means consisting of either a key-board or a mouse of a PC, at least one of information selected from a group of charging processing information, charging processing condition, information of a battery to be charged, situation of charging process proceeding, charging history or the like is selected so as to make a control based upon the selected information and the result thereof being displayed on the display means of the PC.

Matsuda shows a controlling-condition-inputting means consisting of either a key-board or a mouse of a PC, at lease one of information selected from a group of charging processing information, charging processing condition, information of a battery to be charged, situation of charging process proceeding, charging history or the like is selected so as to make a control based upon the selected information and the result thereof being displayed on said display means of said PC (refer to col.1, line 31 and col.1, lines 40-44).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to have a controlling-condition-inputting means consisting of either a key-board or a mouse of a PC, at lease one of information selected from a group of charging processing information, charging processing condition, information of a battery to be charged, situation of charging process proceeding, charging history or the like is selected so as to make a control based upon the selected information and the result thereof being displayed on said display means of said PC since a keyboard or mouse of a PC are the easiest and more common means for a user to convey and control this type of information.

In regard to claim 9, Toyosato in view of Kerai et al. are applied supra, but fail to teach charging processing operation program is made separately based upon kinds of batteries, models thereof or applications thereof, respectively Matsuda shows charging processing operation program is made separately based upon kinds of batteries, models thereof or applications thereof, respectively.

Matsuda teaches charging processing operation program is made separately based upon kinds of batteries, models thereof or applications thereof, respectively (refer to col.9, lines 2-10).

It would have been obvious to one having ordinary skill in the art to have the charging processing operation program is made separately based upon kinds of batteries, models thereof or applications thereof, respectively Matsuda shows charging processing operation program is made separately based upon kinds of batteries, models thereof or applications thereof, respectively since this means is the most efficient.

In regard to claim 12, Toyosato in view of Kerai et al. are applied supra, but fail to teach a charger is connected to said power supply circuit of said PC through an internationally standardized interface such as a PC or a USB of said PC.

Matsuda teaches a charger is connected to said power supply circuit of said PC through an internationally standardized interface such as a PC or a USB of said PC (refer to col.2, lines 55-60).

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It would have been obvious to one having ordinary skill in the art at the time the invention was made to have a charger connected to the power supply circuit of the PC through an internationally standardized interface such as a PC or a USB of the PC for ease of use as this is the most efficient and common method.

4. Claim 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Toyosato (6,532,482) in view of Kerai et al. (6,531,845), as discussed above, and further in combination with Nelson et al. (5,592,528).

In regard to claim 13, Toyosato in view of Kerai et al. are applied supra, but fail to teach a battery holding apparatus connected to said charger provided with a chip into which said charging processing operation program being installed therein and mounted on a board which is inserted into a board insertion slit of said PC, through an appropriate connector and/or cable.

Nelson teach a battery holding apparatus connected to said charger provided with a chip into which said charging processing operation program being installed therein and mounted on a board which is inserted into a board insertion slit of said PC, through an appropriate connector and/or cable (refer to col.7, lines 38-45).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to have a chip and be mounted on a board which is inserted into the slit of the PC for ease of utility.

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5. Claim 15 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Toyosato (6,532,482) in view of Kerai et al. (6,531,845) as discussed above, and further in combination with Anderson (5,982,147).

In regard to claim 15, Toyosato and Kerai et al. are applied supra, but fail to teach a charger provided outside of said PC, said charger is connected to said internal power supply circuit of said PC through said board inserted into said board insertion slit or through said USB connector provided with said PC.

Anderson shows a charger is provided outside of said PC, said charger is connected to said internal power supply circuit of said PC through said board inserted into said board insertion slit or through said USB connector provided with said PC (refer to col.4, lines 37-47).

It would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify the device of Toyosato and Kerai et al. to include a charger provided outside of said PC, said charger is connected to said internal power supply circuit of said PC through said board inserted into said board insertion slit or through said USB connector provided with said PC as taught by Anderson for the purpose of improving a system for electrically coupling a computer.

In regard to claim 28, Toyosata in view of Kerai et al. are applied supra, but fail to teach a user uses an appropriate input means associated with said PC to input information regarding a secondary cell requiring charging processing inserted in said battery holding apparatus, said information being displayed on a display means of said PC.

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Anderson shows a user uses an appropriate input means associated with said PC to input information regarding a secondary cell requiring charging processing inserted in said battery holding apparatus, said information being displayed on a display means of said PC (refer to abstract).

It would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify the device of Toyosato in view of Kerai et al. to include a user that uses an appropriate input means associated with said PC to input information regarding a secondary cell requiring charging processing inserted in said battery holding apparatus, said information being displayed on a display means of said PC as taught by Anderson for the purpose of displaying a status condition of a smart battery.

6. Claim 23 is rejected under 35 U.S.C. 103(a) as being unpatentable over Toyosato (6,532,482) in view of Kerai et al. (6,531,845), as discussed above, and further in combination with Murakawa (6,249,607).

In regard to claim 23, Toyosata in view of Kerai et al. are applied supra and disclose the elements as claimed, except for the charging processing operation program included in the charger is either built into said PC by inserting a floppy disk, CD-ROM, or an IC card containing said charging processing operation program into a prescribed location of said PC, or by inserting a PCI board onto which an IC chip containing said charging processing operation program has been mounted into an expansion slot of said PC.

Murakawa shows a charger is either a charging processing operation program required for a charging operation on a secondary cell or is an apparatus into which a charging processing operation program required for a charging operation to a secondary cell is built (refer to col.5, lines 30-37).

It would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify the device of Toyosato and Kerai et al. to include a charger is either a charging processing operation program required for a charging operation on a secondary cell or is an apparatus into which a charging processing operation program required for a charging operation to a secondary cell is built as taught by Murakawa the purpose of providing a computer program product in a memory for executing image processing.

7. Claims 24, 25 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Toyosato (6,532,482) in view of Kerai et al. and further in combination with Singleton (6,501,949).

In regard to claim 24, Toyosata and Kerai et al. are applied supra and discloses the elements as claimed, except for each of said charging processing operation program is created so as to have a respective charging process operation condition of a secondary cell to be subjected to charging processing, being different from each other based upon at least one factor among a secondary cell manufacturer name, secondary cell type, model, construction, quantity, battery capacity, and internal resistance and the like.

Singleton shows each of said charging processing operation program is created so as to have a respective charging process operation condition of a secondary cell to be subjected to charging processing, being different from each other based upon at least one factor among a secondary cell manufacturer name, secondary cell type, model, construction, quantity, battery capacity, and internal resistance and the like (refer to col.2, lines 6-9 and col.4, lines 39-42).

It would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify the device of Toyosato in view of Kerai et al. to include each of said charging processing operation program created so as to have a respective charging process operation condition of a secondary cell to be subjected to charging processing, being different from each other based upon at least one factor among a secondary cell manufacturer name, secondary cell type, model, construction, quantity, battery capacity, and internal resistance and the like as taught by Singleton the purpose of improving current status information about the power source.

In regard to claim 25, Toyosato in view of Kerai et al. and Singleton are applied supra, further Singleton shows the charging processing operation program has a function to distinguish at least one information selected from a group of information consisting a manufacturer name, secondary cell type, model, construction, quantity, battery capacity, and internal (refer to col.4, lines 39-42 and col.5, lines 1-10).

In regard to claim 33, Toyosato in view of Kerai et al. and Singleton are applied supra, further Singleton shows a display means of said PC displays at least one information selected from a manufacturer name, a battery type, battery capacity,

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charging rate, and internal resistance and the like with regard to charging operation conditions for said selected secondary cell requiring charging processing, and displays information in that whether it distinguishes the start of charging or charging in progress (refer to col.5, lines 1-10).

8. Claims 62 and 63 are rejected under 35 U.S.C. 103(a) as being unpatentable over Toyosato (6,532,482) in view of Kerai et al. (6,531,845) as applied to claim 1 above, and further in view of Pan (6,542,092).

In regard to claim 62, Toyosato in view of Kerai et al. are applied supra, and teach the charger connected to the internal power supply circuit of the PC having built into it a charging processing operation program required for charging the secondary cell whereby a charging operation is performed by executing said charging processing operation program selected for the secondary cell to be charged with utilizing an electric power supplied from the internal power supply circuit of the PC, while displaying at least either one of information related to the secondary cell to be charged or information related to the charging operation as being carried out on a display means connected to the PC, but fail to teach a secondary cell charging method wherein a charger to which is connected either a holder part configured so as to enable acceptance and a charging processing operation separately on one or a plurality of secondary cells of various sizes requiring charging processing, or a stand part configured so as to enable acceptance and a charging processing operation of a cell package in that a plurality of secondary cell of the same size packaged within a prescribed pack, or directly of a cellular telephone with said pack built thereinto, is either

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built into a PC or connected externally thereto, whereby an internal power supply circuit of the PC 's used as a power supply in a charging operation (refer to Fig.1 and col. 1, line 50-53).

Pan teaches a secondary cell charging method wherein a charger to which is connected either a holder part configured so as to enable acceptance and a charging processing operation separately on one or a plurality of secondary cells of various sizes requiring charging processing, or a stand part configured so as to enable acceptance and a charging processing operation of a cell package in that a plurality of secondary cell of the same size packaged within a prescribed pack, or directly of a cellular telephone with said pack built thereinto, is either built into a PC or connected externally thereto, whereby an internal power supply circuit of the PC 's used as a power supply in a charging operation (refer to Fig.1 and col. 1, line 50-53).

It would have been obvious to one having ordinary skill in the art to have a charger to which is connected either a holder part configured so as to enable acceptance and a charging processing operation separately on one or a plurality of secondary cells of various sizes requiring charging processing, or a stand part configured so as to enable acceptance and a charging processing operation of a cell package in that a plurality of secondary cell of the same size packaged within a prescribed pack, or directly of a cellular telephone with said pack built thereinto, is either built into a PC or connected externally thereto, whereby an internal power supply circuit of the PC 's used as a power supply in a charging operation in the invention of Toyosato in view of Kerai et al. for increased ease of utility.

In regard to claim 63, Toyosato in view of Kerai et al. and Pan are applied supra, further Pan shows the charger connected to said: internal power supply circuit of said PC s connected to a signal output terminal of said PC or is connected to said signal output terminal being either directly or indirectly, via an appropriate connector and/or cable, so that a charging processing operation on a secondary cell is performed (refer to col.1, lines 1-9).

Allowable Subject Matter

9. Claims 86-92, and 95 are allowed.

Claim 86 is allowable. The reason for allowance is that the prior art of record fails to teach or reasonably suggest a method for charging a secondary cell in a charging system, a step of storing said battery list into a prescribed storage means of said PC, a step of starting software, including said charging processing operation program, a step of inserting a secondary cell requiring charging processing into a holding means of said charger, a step of said charging processing operation program distinguishing information with regard to said secondary cell requiring a charging operation inserted in said charger, selecting from said battery list a charging processing operation program suitable for a charging operation of said secondary cell, and of displaying said selected charging processing operation program on said display means, together with a charging graph or other battery information, a step of inputting a number of secondary cells to be charged simultaneously, a step of verifying charging conditions on a screen of said display means, and then starting a charging operation, a step during a charging

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processing operation of either causing drive of an alarm means, which makes notification that a charging processing operation is in progress, or causing a dynamic display of a charging graph on said display means, and a step, in a case in which said charging processing operation on said secondary cell is completed, of performing a display indicating that said charging processing operation has been completed.

Claim 92 is allowed due to its dependency on claim 86.

Claim 87 is allowable. The reason for allowance is that the prior art of record fails to teach or reasonably suggest a method for charging a secondary cell in a charging system, a step of storing said battery list into a prescribed storage means of said PC, a step of starting software, including said charging processing operation program, a step of inserting a secondary cell requiring charging processing into a holding means of said charger, a step of, in accordance with information with regard to a secondary cell requiring charging processing, selecting a charging processing operation program suitable for a secondary cell requiring a charging processing operation from said battery list, a step of displaying a charging graph, a step of inputting a number of secondary cells to be charged simultaneously, a step of verifying charging conditions on a screen of the display means, and then starting a charging operation, a step during a charging processing operation of either causing drive of an alarm means, which makes notification that a charging processing operation is in progress, or causing a dynamic display of a charging graph on said display means, and a step in a case in which said charging processing operation on said secondary cell is completed of performing a display indicatiog that said charging processing operation has been completed.

Claim 88 is allowable. The reason for allowance is that the prior art of record fails to teach or reasonably suggest a method for charging a secondary cell in a charging system, a step of storing said battery list into a prescribed storage means of said PC, a step of starting software, including said charging processing operation program, a step of inserting a secondary cell requiring charging processing into a holding means of said charger, a step of a user using said input means to input separately to said PC at least a part of a battery manufacturer name, battery type, battery voltage, battery capacity, charging rate, and internal resistance and the like for a secondary cell requiring charging processing, a step of said PC selecting from said battery list, based on said input information, a charging processing operation program suitable for said secondary cell requiring a charging processing operation, a step of displaying a charging graph, a step of inputting a number of secondary cells to be charged simultaneously, a step of verifying charging conditions on a screen of said display means, and then starting a charging operation, a step during a charging processing operation of either causing drive of an alarm means, which makes notification that a charging processing operation is in progress, or causing a dynamic display of a charging graph on said display means. and a step, in a case in which said charging processing operation on said secondary cell is completed, of performing a display indicating that said charging processing operation has been completed.

Claims 89-91 are allowed due to their dependency on claim 88.

Claim 95 is allowable. The reason for allowance is that the prior art of record fails to teach or reasonably suggest a method for charging a secondary cell in a charging

system, a step of creating a charging processing operation program used for each one of various kinds of secondary cell batteries to be charged, respectively, storing said charging processing operation program created for each one of various kinds of secondary cell batteries to be charged, respectively, into a predetermined memory medium, opening said charging processing operation program to the public through an communication net works or by printing out same on a hard storing medium, preperaring said charging processing operation program suitable for an user's intention, when said user having a PC had accessed to this system, asking said user to play a predetermined necessary expenses through a predetermined payment system by a business entity providing said system to the public, providing said charging processing operation program to said user by distributing system or through said communication net works, when said business entity had confirmed that said user had said predetermined expenses through said predetermined payment system.

10. Claims 11, 14, 21, 22, 26, 27,29-32, 34-40, 42-61,64, 66-69, 93 and 94 are objected to as being dependent upon a rejected base claim. The prior art of record fails to teach or reasonably suggest that: Claim 11, a charger is connected detachably to any one of output terminals of said internal power supply circuit of said PC, and is further connected either directly or indirectly, by an appropriate connector and/or cable to said battery holding apparatus; Claims 14, a case in which said charger is provided within said PC, said charger is connected to said internal power supply circuit of said PC, and is connected to said battery holding apparatus either directly via a signal output of said PC, or indirectly connected thereto, via a signal output of said PC, utilizing an

appropriate connector and/or cable; Claims 21 and 22, a secondary cell charging processing operation program executes high-speed charging processing: Claims 26, 27 and 29, a charger automatically selects a charging processing operation program having the most suitable charging processing condition to said secondary cell battery to be charged, among a plurality of charging processing operation program stored in said charger utilizing information about the secondary cell battery to be charged and distinguished by sai PC, its-self or separate information about the secondary cell battery to be charged which is input into said PC by user utilizing said inputting means; Claim 30, a user based on information regarding a secondary cell requiring charging processing, sets various conditions necessary to be required for charging said secondary cell by selecting same from a large number of alternatives displayed on a display screen of said PC; Claims 31 and 32, a predicted charging characteristics graph with regard to charging operation conditions for said selected secondary cell requiring charging processing can be displayed on said display means of said PC; Claims 34-40, a display means of said PC displays at least one information selected from a manufacturer name, a battery type, battery capacity, charging rate, and internal resistance and the like with regard to charging operation conditions for said selected secondary cell requiring charging processing, and separately displays either one of the start of charging or charging in progress and wherein said display means displays either a separate display of a battery voltage and battery temperature, which vary with the elapse of processing time, or a graph indicating a relationship between a battery voltage and a charging time or a relationship between a battery temperature and a charging

time; Claims 42-61, a battery holding apparatus connected directly or indirectly to said charger, said battery holding apparatus includes either a holder part configured so as to enable acceptance and a charging processing operation separately on one or a plurality of secondary cell of various sizes requiring charging processing, or a stand part configured so as to enable acceptance and a charging processing operation of a plurality of secondary cell to be charged of the same size packaged within a prescribed pack, or directly of a cellular telephone with said pack built thereinto; Claims 64, 66-69, the secondary cell holder part or stand part is formed so as to match the dimensions or shape of each individual secondary cell; Claims 93 and 94, a charger selected from a group consisting of an international PCI (PC interface) standard selecting from either one of a PCI board or PCI card each including said charging processing operation program therein, an IC chip mounted o an expansion board or the like, a CD-ROM, a floppy disk, a IC card each including said charging processing operation program therein and a PC hard disk (HD) onto which said charging processing operation program has been installed is formed a kit with a predetermined battery holder means and a predetermined operation manual of said charger so as to be sold publicly. Claims 11, 14, 21, 22, 26, 27, 29-32, 34-40, 42-61, 64, 66-69 and 93, 94 would be allowable if rewritten in independent from including all of the limitations of the base claim.

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lawrence Luk whose telephone number is (703)305-0617. The examiner can normally be reached on 7 a.m. to 5 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry can be reached on (703) 308-1680. The fax phone numbers for the organization where this application or proceeding is assigned are (703)305-7724 for regular communications and (703)305-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-1782.

LWL January 12, 2004

Rawrence hell examiner 1/12/04